

WS Factoring Quadratics

Answer Section

1. ANS:
 $(x + 4)(x + 7)$ - simple trinomial
 PTS: 1
2. ANS:
 $(x - 8)(x - 9)$ - simple trinomial
 PTS: 1
3. ANS:
 $(x + 2)(x - 8)$ - simple trinomial
 PTS: 1
4. ANS:
 $(x - 1)(x + 3)$ - simple trinomial
 PTS: 1
5. ANS:
 $(x + 4)(x + 1)$ - simple trinomial
 PTS: 1
6. ANS:
 $-2(x - 8)(x + 3)$ - simple trinomial with common factor
 PTS: 1
7. ANS:
 $-3(x - 8)(x + 4)$ - simple trinomial with common factor
 PTS: 1
8. ANS:
 $-4(x - 6)(x + 2)$ - simple trinomial with common factor
 PTS: 1
9. ANS:
 $4(x + 7)(x - 3)$ - simple trinomial with common factor
 PTS: 1
10. ANS:
 $-2(x - 7)(x + 5)$ - simple trinomial with common factor
 PTS: 1
11. ANS:
 $(2x - 7)(5x + 2)$ - complex polynomial
 PTS: 1
12. ANS:
 $(4x - 4)(3x - 3)$ - complex polynomial
 PTS: 1
13. ANS:
 $(x + 6)(3x + 9)$ - complex polynomial
 PTS: 1
14. ANS:
 $(5x - 7)(3x + 7)$ - complex polynomial
 PTS: 1
15. ANS:
 $(x - 5)(5x + 4)$ - complex polynomial
 PTS: 1
16. ANS:
 $(2x + 5)(4x - 1)$ - complex polynomial
 PTS: 1
17. ANS:
 $(5x + 3)(5x + 3)$ - perfect squares
 PTS: 1
18. ANS:
 $(x + 8)(x + 8)$ - perfect squares
 PTS: 1
19. ANS:
 $(2x - 13)(2x - 13)$ - perfect squares
 PTS: 1
20. ANS:
 $(8x - 9)(8x - 9)$ - perfect squares
 PTS: 1
21. ANS:
 $(5x - 6)(5x - 6)$ - perfect squares
 PTS: 1
22. ANS:
 $-2(x + 3)(x + 3)$ - perfect squares with common factors
 PTS: 1

23. ANS:
 $(9x - 9)(9x + 9)$ - difference of squares
 PTS: 1
24. ANS:
 $(7x - 3)(7x + 3)$ - difference of squares
 PTS: 1
25. ANS:
 $(13x + 15)(13x - 15)$ - difference of squares
 PTS: 1
26. ANS:
 $(6x - 3)(6x + 3)$ - difference of squares
 PTS: 1
27. ANS:
 $(7x - 13)(7x + 13)$ - difference of squares
 PTS: 1
28. ANS:
 $4(2x - 9)(2x + 9)$ - difference of squares with common factors
 PTS: 1
29. ANS:
 $3(x - 2)(x + 2)$ - difference of squares with common factors
 PTS: 1
30. ANS:
 $3(9x + 1)(9x - 1)$ - difference of squares with common factors
 PTS: 1
31. ANS:
 $(4x - 5)(4x + 5)$ - difference of squares with common factors
 PTS: 1
32. ANS:
 $3(2x - 1)(2x + 1)$ - difference of squares with common factors
 PTS: 1
33. ANS:
 $-(5x - 5)(4x - 9)$ - complex polynomial with common factors
 PTS: 1
34. ANS:
 $-(x - 3)(x - 7)$ - complex polynomial with common factors
 PTS: 1
35. ANS:
 $2(5x + 8)(4x - 6)$ - complex polynomial with common factors
 PTS: 1
36. ANS:
 $-2(x + 6)(3x - 6)$ - complex polynomial with common factors
 PTS: 1
37. ANS:
 $-(3x + 8)(2x + 2)$ - complex polynomial with common factors
 PTS: 1
38. ANS:
 $-2(2x - 6)(2x + 3)$ - complex polynomial with common factors
 PTS: 1
39. ANS:
 $-4(2x - 9)(5x - 9)$ - complex polynomial with common factors
 PTS: 1
40. ANS:
 $-5(5x - 6)(2x + 5)$ - complex polynomial with common factors
 PTS: 1